

CONCURRENT MORNING SESSIONS - 8:30 - 10:00 am

- (WAM-F2) ALTERNATIVE METHODS OF MUNICIPAL SOLID WASTE DISPOSAL: A COMPARISON OF HEALTH RISKS IN MASSACHUSETTS
A. Eschenroeder, S. Wolff, A. Taylor and D. Burmaster; Alanova, Inc.
- (WAM-F3) THE INGESTION OF CONTAMINATED FOODSTUFFS AS A MAJOR SOURCE OF RISK TO RESIDENTS NEAR A SUPERFUND SITE
A. B. Chandler and R. C. Morgan; Environmental Science and Engineering, Inc.
- (WAM-F4) FAULTY APPROACHES TO MULTI-MEDIA RISK ASSESSMENT
L. B. Gratt; SEACOR

CANCELLED

(WAM-G) GLOBAL CLIMATE ISSUES

Fulton Room

- (WAM-H) SAFETY AT CHEMICAL PLANTS
Chairs: Gary R. Verholek, Tenera
- (WAM-H1) APPLYING RISK ASSESSMENT METHODS IN DERIVING STANDARDS FOR TOXIC AIR POLLUTANTS
C. E. Armstrong and G. R. Verholek; Vivarium Technologies, Inc. and Tenera
- (WAM-H2) USING HAZOP SOFTWARE TO EVALUATE CHEMICAL PLANT SAFETY
G. M. Crews, J. E. Goss, P. E. McCluer and S. J. Wallace, JBF Associates, Inc.
- (WAM-H3) COHERENT HAZARD ASSESSMENT PROGRAM STRUCTURE
R. W. Myers, A. S. McClyment and M. G. Verholek; Tenera
- (WAM-H4) RISK ASSESSMENTS AND EMERGENCY RESPONSE PLANNING
M. G. Verholek and J. M. McKinney; Tenera

Acadian Room

- (WAM-I) INNOVATIVE METHODS IN TOXICOLOGY
Chair: Hugh L. Spitzer, American Petroleum Institute
- (WAM-I1) THE IMPACT OF MOLECULAR BIOLOGY ON RISK ASSESSMENT
R. W. Estabrook; University of Texas Southwestern Medical Center and OXYgene/Dallas
- (WAM-I2) IMPORTANCE OF HUMAN METABOLIC DATA IN DETERMINING THE RISK TO HUMANS EXPOSED TO ENVIRONMENTAL CHEMICALS
I. G. Sipes and B. J. Smith; University of Arizona
- (WAM-I3) GENETIC RISK FACTORS IN HUMAN LUNG CARCINOGENESIS
A. Weston, H. Sugimura, S. Tamai, N. E. Caporaso, R. N. Hoover and C. C. Harris; National Cancer Institute, National Institutes of Health

10:00 - 10:30 am COFFEE BREAK, Lobby

CONCURRENT MORNING SESSIONS - 10:30 am - Noon

La Salle Ballroom B (WAM-J) RISK COMMUNICATION

- Chair: Branden B. Johnson, New Jersey Department of Environmental Protection
- (WAM-J1) ASSESSING GOVERNMENT NEEDS FOR RISK COMMUNICATION: A CASE STUDY IN NEW JERSEY
J. A. Shaw, B. B. Johnson and L. Korn; New Jersey Department of Environmental Protection
- (WAM-J2) THE KANAWHA VALLEY RISK COMMUNICATION PROJECT: THE RESULTS OF A PUBLIC OPINION SURVEY
J. M. Trauth and P. L. Hill; University of Pittsburgh and National Institute for Chemical Studies

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CONCURRENT MORNING SESSIONS - 10:30 am - Noon

- (WAM-J3) USE OF COMMUNITY RIGHT TO KNOW DATA IN NEW JERSEY: A SURVEY OF ACTIONS AND PERCEPTIONS
B. B. Johnson; New Jersey Department of Environmental Protection
- (WAM-J4) REACHING AN AUDIENCE: REVISING AND THE RISK COMMUNICATION PROCESS IN THE AIDS NATIONAL MAILING, 1988
M. H. Veeder; Indiana University Northwest

La Salle Ballroom C (WAM-K) DOSE-RESPONSE RELATIONSHIPS

Chair: L. Anthony Cox, Jr., US West Advanced Technologies

- (WAM-K1) BIOLOGICAL BASES OF LOW-DOSE NONLINEARITY FOR CHEMICAL CARCINOGENS
L. A. Cox, Jr.; US West Advanced Technologies
- (WAM-K2) ANALYSIS OF HEALTH EFFECTS DOSE-RESPONSE CURVES FROM EXPOSURE TO IONIZING RADIATION USING MODELS FROM CHEMICAL CONTAMINATION EXPOSURE RISK ANALYSIS
C. R. Cothorn; US Environmental Protection Agency
- (WAM-K3) RELATIONSHIP BETWEEN THE SHAPE OF DOSE-RESPONSE CURVES AND BACKGROUND TUMOR RATES
D. W. Gaylor; National Center for Toxicological Research
- (WAM-K4) ADDITIVITY OF RISK AT LOW DOSE: THE EFFECT OF NORMAL VARIATION AND RANDOMNESS
J. A. Todhunter; SRS International

Pelican Room 1

(WAM-L) RISKS ASSOCIATED WITH FIELD APPLICATIONS OF GENETICALLY ENGINEERED MICROORGANISMS

Chair: Holly A. Hattemer-Frey, Oak Ridge National Laboratory

- (WAM-L1) CANCELLED
- (WAM-L2) RISK/BENEFIT FROM THE ENVIRONMENTAL RELEASE OF PSEUDOMONAS SYRINGAE (SNOMAX)
R. A. Goodnow; Genencor International
- (WAM-L3) APPLICATION OF RISK ASSESSMENT METHODOLOGY TO GENETICALLY ENGINEERED FOOD PRODUCTS: A GENERIC APPROACH
L. Rudenko, J. Adgate, M. Aponte-Pons, T. Berner, V. Frankos, R. Gregory, C. K. Lintner, N. Rachman, W. Sherman, R. Winters, R. Wixtrom; ENVIRON Corporation

Pelican Room 2

(WAM-M) MAJOR UNCERTAINTIES IN ENVIRONMENTAL EXPOSURE ASSESSMENT

Co-Chairs: Ross Macdonald and J. Lynch, Shell Oil Company and Exxon Chemical Company

- (WAM-M1) INFORMATION-ANALYSIS-BASED EXPOSURE CHARACTERIZATION
R. L. Sielken, Jr.; Bryan, Texas
- (WAM-M2) ANALYSIS OF THE IMPACT OF EXPOSURE ASSUMPTIONS ON RISK ASSESSMENT AND RISK MANAGEMENT
G. K. Whitmyre, S. R. Baker, J. H. Driver, M. E. Ginevan and R. G. Tardiff; VERSAR, Inc.
- (WAM-M3) UNCERTAINTY IN EXPOSURE ASSESSMENT
M. A. Callahan and W. P. Wood; US Environmental Protection Agency

Poydras Room

(WAM-N) NON-CANCER HEALTH EFFECTS

Chair: Terrence K. Pierson, Research Triangle Institute

- (WAM-N1) CANCELLED
- (WAM-N2) QUANTIFICATION OF NON-CANCER HEALTH RISKS FROM EXPOSURE TO FACILITY AIR EMISSIONS OF ACETONE, FREON 113 AND METHYLENE CHLORIDE
M. J. Sullivan, J. T. Stanford and J. R. Hatherill; Envirollogic Data, Inc.

CONCURRENT MORNING SESSIONS - 10:30 am - Noon

(WAM-N3) RISK CHARACTERIZATION OF NON-CANCER HEALTH EFFECTS FOR HEALTH BENEFITS ANALYSIS

J. Mauskopf and R. Hetes; Research Triangle Institute

(WAM-N4) RISK CHARACTERIZATION FRAMEWORK FOR NON-CANCER HEALTH EFFECTS FROM INDOOR AIR EXPOSURES TO COMPLEX MIXTURES

T. K. Pierson, R. G. Hetes and D. F. Naugle; Research Triangle Institute

Fulton Room

(WAM-O) CONTAMINANTS IN MOTHER'S MILK

Chair: Rebecca D. Zale, ENSR Consulting and Engineering

(WAM-01) A BODY BURDEN-BASED APPROACH TO ESTIMATING CANCER RISK FROM DIOXIN EXPOSURE VIA MOTHER'S MILK

R. D. Zale, P. D. Anderson, M. Schaefer and M. L. Bonfiglio; ENSR Consulting and Engineering

(WAM-02) ESTIMATE OF CANCER RISK FROM HALOGENATED PESTICIDES IN HUMAN BREAST MILK: ARKANSAS 1986

D. R. Mattison; University of Pittsburgh

(WAM-03) EVIDENCE FOR PARTIAL MITIGATION OF EXPOSURE TO LIPOPHILIC XENOBIOTICS IN BREAST MILK DUE TO ELEVATED EXCRETION RATES IN INFANTS

J. C. Kissel; University of Washington

(WAM-04) PESTICIDES IN HUMAN BREAST MILK: POPULATION BASED ESTIMATES OF EXCESS LIFETIME CANCER RISK

D. R. Mattison; University of Pittsburgh

Orleans Room 1

(WAM-P) DEVELOPMENT OF METHODOLOGIES FOR EVALUATING RISK

Chair: Jeffrey M. Paull, Maryland Department of the Environment

(WAM-P1) CANCELLED

(WAM-P2) A METHOD FOR SCREENING EXPOSURE PATHWAYS AT SITES CONTAMINATED WITH MULTIPLE CHEMICALS

M. J. Sullivan, P. A. McCaw and C. J. Miller; Envirologic Data, Inc.

(WAM-P3) UPDATES IN US EPA RISK ASSESSMENT GUIDANCE

T. L. Sorell; Wehran EnviroTech

(WAM-P4) A SURVEY AND ANALYSIS OF STATES' METHODOLOGIES FOR DERIVING DRINKING WATER GUIDELINES FOR CHEMICAL CONTAMINANTS

J. M. Paull, L. M. Joellenbeck, R. C. Cochran and K. S. Sidhu; Maryland Department of the Environment and Michigan Department of Public Health

Acadian Room

(WAM-Q) CANCER RISK ASSESSMENT MODELS

Chair: Richard Wilson, Harvard University

(WAM-Q1) COMPARISON OF THREE MODELS OF BENZENE PHARMACOKINETICS

T. J. Woodruff, F. Y. Bois, D. Auslander and R. C. Spear; University of California, Berkeley

(WAM-Q2) APPLICATION OF A MODEL OF BENZENE PHARMACOKINETICS AND METABOLISM TO THE IDENTIFICATION OF EFFECTIVE CARCINOGENS

F. Y. Bois, M. T. Smith and R. C. Spear; University of California, Berkeley

(WAM-Q3) MONTE CARLO SIMULATION OF ANIMAL BIOASSAYS

A. Shlyakhter, G. Goodman, and R. Wilson; Harvard University

(WAM-Q4) POTENTIAL VALUE JUDGEMENT INFLUENCES AMONG SCIENTISTS ASKED TO EVALUATE THE HAZARDS OF DIOXIN, RADON AND ETS

G. L. Carlo, N. L. Lee, S. D. Pettygrove and K. G. Sund; Health and Environmental Sciences Group

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La Salle Ballroom A

Noon - 1:30 pm

LUNCHEON AND PRESENTATION OF AWARDS

SPEAKER: Brooke Mossman, University of Vermont

TOPIC: Risks from Asbestos Exposure

CONCURRENT AFTERNOON SESSIONS - 1:30 - 3:00 pm

La Salle Ballroom B (WPM-A) RISK COMMUNICATION

Chair: Branden B. Johnson, Columbia University

(WPM-A1) RISK COMMUNICATION IN HETEROGENOUS GROUPS

T. C. Earle, C. J. Taylor and G. Cvetkovich; Western Washington University

(WPM-A2) CANCELLED

(WPM-A3) A MULTI-METHOD APPROACH TO AUDIENCE ANALYSES IN DEVELOPING COMPREHENSIVE PUBLIC COMMUNICATIONS PROGRAMS

C. W. Holmes, S. J. Byram and D. von Winterfeldt; Battelle Pacific Northwest Laboratory and University of Southern California

(WPM-A4) COPING WITH PARADOXES OF RISK COMMUNICATION

B. B. Johnson; Columbia University

La Salle Ballroom C (WPM-B) NONCARCINOGENIC RISK ASSESSMENT

Chair: Harvey M. Richmond, US Environmental Protection Agency

(WPM-B1) RISK MANAGEMENT OF GROUNDWATER CONTAMINATION BY ALDICARB IN CALIFORNIA

P. E. Berteau and D. C. Mengle; California Department of Health Services

(WPM-B2) PROBABILISTIC RISK ASSESSMENT OF NONRADIOACTIVE, NONCARCINOGENIC TOXIC CHEMICALS

V. K. Wilkinson and J. M. Young; Oak Ridge National Laboratory

✓(WPM-B3) ASSESSING CHRONIC LUNG INJURY DUE TO LONG-TERM OZONE EXPOSURES

H. M. Richmond, R. Whitfield, T. S. Wallsten, R. L. Winkler, S. R. Hayes and A. S. Rosenbaum; US Environmental Protection Agency, Argonne National Laboratory, University of North Carolina, Duke University and Systems Applications, Inc.

Pelican Room 1

(WPM-C) SPECIAL TOPICS IN RISK ASSESSMENT

Chair: Ruth F. Weiner, Southwest Research Institute

(WPM-C1) IMPLICATIONS OF SOIL CONTAMINANT REMOVAL MECHANISMS FOR QUANTITATIVE HEALTH RISK ASSESSMENT

D. A. Kellermeyer, G. K. Anderson and M. T. Alberts; Radian Corporation

(WPM-C2) EVALUATION OF ECOLOGICAL RISK ASSESSMENT METHODS AS APPLIED TO THE BAIRD AND MCGUIRE SUPERFUND SITE

C. A. Menzie; Menzie-Cura and Associates

(WPM-C3) COMPUTER AIDED HAZOP BY MEANS OF SIMFA

M. Boekamp; Safety Software and Services, The Netherlands

(WPM-C4) RISKS AND IMPACTS OF INCIDENT-FREE AIR TRANSPORTATION OF RADIOACTIVE MATERIALS

R. F. Weiner, P. A. LaPlante and J. P. Hageman; Southwest Research Institute

Pelican Room 2

(WPM-D) METHODOLOGICAL ISSUES IN RISK ASSESSMENT

Chair: Gary R. Rosenblum, ARCO

(WPM-D1) RISK ASSESSMENT WITH LOWER PROBABILITIES

B. Tonn and C. Wagner; Oak Ridge National Laboratory and University of Tennessee

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CONCURRENT AFTERNOON SESSIONS - 1:30 - 3:00 pm

- (WPM-D2) ETHICAL AND SOCIAL ASPECTS IN COMPREHENSIVE RISK ASSESSMENT
G. Yadigaroglu, Y. G. Gonen and S. Chakraborty; Swiss Federal
Institute of Technology and Swiss Federal Nuclear Safety
Inspectorate
- (WPM-D3) IMPLICATIONS OF RISK ASSESSMENT PROCEDURES FOR HEALTH AND
SAFETY POLICY
E. Lichtenberg; University of Maryland
- (WPM-D4) OCCUPATIONAL SAFETY AND HEALTH RISK ISSUES IN THE YEAR 2000
G. R. Rosenblum; ARGO
- Poydras Room
- (WPM-E) INNOVATIVE METHODS IN HAZARD IDENTIFICATION
Chair: Paul F. Deisler, Jr., University of Houston
- (WPM-E1) INTERDISCIPLINARY APPROACH TO TOXICOLOGICAL RISK ASSESSMENT
S. A. Hubbard, T. R. Auton and M. J. L. Clapp; ICI Plc Central
Toxicology Laboratory, England
- (WPM-E2) TOXICOLOGISTS AND INNOVATION: WHAT'S KEY IN DEVELOPING NEW
TECHNOLOGIES AND PRODUCTS?
P. J. Hakkinen; The Procter and Gamble Company
- (WPM-E3) ADVANCES IN HAZARD IDENTIFICATION FOR CARCINOGENS
J. D. Wilson; Monsanto Company
- (WPM-E4) A METHOD FOR MERGING SEPARATE, QUALITATIVE, RISK-BASED RANKINGS
FOR RISK MANAGEMENT PURPOSES
P. F. Deisler, Jr.; University of Houston
- Fulton Room
- (WPM-F) DERMAL ABSORPTION
Chair: Kenneth T. Bogen, Lawrence Livermore National Laboratory
- (WPM-F1) THE INFLUENCE OF DESORPTION KINETICS ON RISK EVALUATION OF
UNTREATED AND TREATED SOILS
D. Morgan, K. Gribben, C. Lee and J. Phillips; Remediation
Technologies
- (WPM-F2) USE OF A RODENT MODEL TO ESTIMATE INHALATION VERSUS DERMAL
ABSORPTION OF ORGANIC CHEMICAL VAPORS DURING WHOLE BODY
EXPOSURES
J. N. McDougal; US Air Force
- (WPM-F3) PERCUTANEOUS ABSORPTION OF DILUTE AQUEOUS CHLOROFORM,
TRICHLOROETHYLENE, AND TETRACHLOROETHYLENE IN HAIRLESS GUINEA
PIGS: IMPLICATIONS FOR HUMAN EXPOSURE ASSESSMENT
K. T. Bogen and B. W. Colston, Jr.; Lawrence Livermore National
Laboratory
- (WPM-F4) ASSESSING DERMAL ABSORPTION
T. R. Auton, J. D. Ramsey and B. H. Woollen; ICI Central
Toxicology Laboratory, England
- Orleans Room 1
- (WPM-G) UNCERTAINTY AND VULNERABILITY IN RISK ASSESSMENT
Chair: Robert W. Myers, Stone & Webster Engineering Corporation
- (WPM-G1) PROFESSIONALISM IN THE FACE OF DISTASTEFUL RISK: MOUNTAIN GOAT
REMOVAL IN OLYMPIC NATIONAL PARK
S. Tuler, G. Machlis and R. E. Kasperson; Clark University and
University of Idaho
- (WPM-G2) UNCERTAINTY, A PERSPECTIVE WITH RESPECT TO THE "EPISODIC EVENT
CONTINUUM"
R. W. Myers; Stone & Webster Engineering Corporation
- (WPM-G3) CHANGING MOSAICS: PATTERNS OF VULNERABILITY AND DISTRIBUTIONS
OF RISKS
K. M. Dow; Clark University
- (WPM-G4) ESTIMATING THE TRUE EFFECT OF EXPOSURE DESPITE IMPRECISE
EXPOSURE CLASSIFICATION
J. J. Weinkam, W. L. Rosenbaum and T. D. Sterling; Simon Fraser
University, Canada

CONCURRENT AFTERNOON SESSIONS - 1:30 - 3:00 pm

Acadian Room

(WPM-H) RISK ANALYSIS — AN INTEGRATOR FOR THEORETICAL AND APPLIED ECOLOGY

Chair: Steven M. Bartell, Oak Ridge National Laboratory

(WPM-H1) IMPROVING THE EFFECTIVENESS OF ENVIRONMENTAL MANAGEMENT DECISIONS WITH OPTIMIZATION AND UNCERTAINTY ANALYSIS TECHNIQUES
T. D. Fontaine and B. M. Lesht; South Florida Water Management District and Argonne National Laboratory

(WPM-H2) COASTAL CHANGE AND ECOLOGICAL RISK ASSESSMENT
J. R. Kelly; Cornell University

(WPM-H3) CONTRIBUTIONS FROM ECOSYSTEM THEORY TO ECOLOGICAL RISK ANALYSIS
J. B. Waide; USDA Forest Service

(WPM-H4) ISSUES OF SCALE AND AGGREGATION IN ECOLOGICAL RISK ANALYSIS
S. M. Bartell; Oak Ridge National Laboratory

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